

INTERNATIONAL SEARCH REPORT

International Classification No.
PCT/GB/03933A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L31/18 H01L31/09

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 332 918 A (DIADIUK VICKY ET AL) 26 July 1994 (1994-07-26)	1-3, 5-11, 14, 15, 17-20
A	column 1, line 63 -column 7, line 13; figures 1-6	4, 11, 12, 26-29
X	WO 98 28656 A (GEORGIA TECH RES INST ; JUODAWLKIS PAUL W (US); MCINTURFF DAVID T () 2 July 1998 (1998-07-02)	1-5, 7, 8, 12, 14-21
A	page 1, line 5 -page 19, line 25; figures 1-14	13, 26-29
X	US 4 521 256 A (KINOSHITA HIROSHI ET AL) 4 June 1985 (1985-06-04)	1-4, 7, 14, 15
A	column 2, line 10 -column 4, line 17; figures 1-5	26-29
	-/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

26 January 2004

Date of mailing of the international search report

03/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Boero, M

INTERNATIONAL SEARCH REPORT

International Publication No
PCT/GB/03933

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 231 047 A (DENG XUNMING ET AL) 27 July 1993 (1993-07-27)	1-4, 7, 15, 17, 19, 22, 23
A	column 1, line 7 -column 19, line 42; figures 1-7B	26-29
X	US 6 028 310 A (ATKINSON GEORGE H ET AL) 22 February 2000 (2000-02-22)	25
A	column 7, line 29 -column 30, line 41; figures 1A-4, 6	26-29
A	US 5 374 589 A (MAZZOLA MICHAEL S ET AL) 20 December 1994 (1994-12-20) the whole document	1-29
X	US 6 097 741 A (LIN HONG ET AL) 1 August 2000 (2000-08-01) the whole document	25
X	US 6 373 867 B1 (LIN HONG ET AL) 16 April 2002 (2002-04-16) the whole document	25

INTERNATIONAL SEARCH REPORT

International Search No
PCT/GB/03933

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5332918	A	26-07-1994	US 4952527 A US 5168069 A WO 8907833 A2 US 5411914 A	28-08-1990 01-12-1992 24-08-1989 02-05-1995
WO 9828656	A	02-07-1998	AU 5611898 A WO 9828656 A1	17-07-1998 02-07-1998
US 4521256	A	04-06-1985	JP 59050531 A DE 3368347 D1 EP 0111638 A1	23-03-1984 22-01-1987 27-06-1984
US 5231047	A	27-07-1993	WO 9312537 A1	24-06-1993
US 6028310	A	22-02-2000	US 5723864 A US 5747807 A US 5689334 A AU 6959196 A CA 2203775 A1 CN 1356538 A CN 1166202 A , B EP 0789837 A1 JP 10503288 T JP 3228423 B2 KR 214920 B1 TW 417228 B WO 9709606 A1 US 5917188 A AU 7104296 A CA 2203780 A1 CN 1166203 A , B EP 0795124 A1 JP 10503289 T JP 3228424 B2 KR 214921 B1 WO 9709607 A1 US 5742054 A US 5841533 A	03-03-1998 05-05-1998 18-11-1997 27-03-1997 13-03-1997 03-07-2002 26-11-1997 20-08-1997 24-03-1998 12-11-2001 02-08-1999 01-01-2001 13-03-1997 29-06-1999 27-03-1997 13-03-1997 26-11-1997 17-09-1997 24-03-1998 12-11-2001 02-08-1999 13-03-1997 21-04-1998 24-11-1998
US 5374589	A	20-12-1994	NONE	
US 6097741	A	01-08-2000	US 6570892 B1 US 6373867 B1	27-05-2003 16-04-2002
US 6373867	B1	16-04-2002	US 6097741 A US 6570892 B1	01-08-2000 27-05-2003